

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((((sensor or sense or sensed or sensing or measure or measured or measuring or measurement or detect or detecting or detection or detector or detected) near10 (deflection or deflect or deflected or deflecting)) with (((clamping or clamp or clamber) near plate) near15 leg)) and (leg with ((clamp or clamping or clamber) near jaw))	IBM_TDB	OR	ON	2005/02/21 22:30
L2	1	((((sensor or sense or sensed or sensing or measure or measured or measuring or measurement or detect or detecting or detection or detector or detected) near10 (deflection or deflect or deflected or deflecting)) with (((clamping or clamp or clamber) near plate) near15 leg)) and (leg with ((clamp or clamping or clamber) near jaw))	US-PGPUB	OR	ON	2005/02/21 22:49
L3	0	((((sensor or sense or sensed or sensing or measure or measured or measuring or measurement or detect or detecting or detection or detector or detected) near10 (deflection or deflect or deflected or deflecting)) with (((clamping or clamp or clamber) near plate) near15 leg)) and (leg with ((clamp or clamping or clamber) near jaw))	EPO	OR	ON	2005/02/21 22:32
L4	0	((((sensor or sense or sensed or sensing or measure or measured or measuring or measurement or detect or detecting or detection or detector or detected) near10 (deflection or deflect or deflected or deflecting)) with (((clamping or clamp or clamber) near plate) near15 leg)) and (leg with ((clamp or clamping or clamber) near jaw))	JPO	OR	ON	2005/02/21 22:32

L5	1	((((sensor or sense or sensed or sensing or measure or measured or measuring or measurement or detect or detecting or detection or detector or detected) near10 (deflection or deflect or deflected or deflecting)) with (((clamping or clamp or clamber) near plate) near15 leg)) and (leg with ((clamp or clamping or clamber) near jaw))	DERWENT	OR	ON	2005/02/21 22:33
L6	0	((((sensor or sense or sensed or sensing or measure or measured or measuring or measurement or detect or detecting or detection or detector or detected) near10 (deflection or deflect or deflected or deflecting)) with (((clamping or clamp or clamber) near plate) near15 leg)) and (leg with ((clamp or clamping or clamber) near jaw))	USOCR	OR	ON	2005/02/21 22:33
L7	0	((((sensor or sense or sensed or sensing or measure or measured or measuring or measurement or detect or detecting or detection or detector or detected) near10 (deflection or deflect or deflected or deflecting)) with (((clamping or clamp or clamber) near plate) near15 leg)) and (leg with ((clamp or clamping or clamber) near jaw))	USPAT	OR	ON	2005/02/21 22:34
L8	1	((g01m019/00 or g01b007/30 or g01i005/00 or b23q015/22 or b23q017/22 or h01i021/60 or h01i021/66 or h01i021/68).ipc. or (73/865.9 or 73/862.541).ccls.) and (24/489.ccls. or (f16b002/00 or f16b002/16).ipc.)	US-PGPUB	OR	ON	2005/02/21 22:56
L9	1	((g01m019/00 or g01b007/30 or g01i005/00 or b23q015/22 or b23q017/22 or h01i021/60 or h01i021/66 or h01i021/68).ipc. or (73/865.9 or 73/862.541).ccls.) and (24/489.ccls. or (f16b002/00 or f16b002/16).ipc.)	EPO	OR	ON	2005/02/21 22:57
L10	0	((g01m019/00 or g01b007/30 or g01i005/00 or b23q015/22 or b23q017/22 or h01i021/60 or h01i021/66 or h01i021/68).ipc. or (73/865.9 or 73/862.541).ccls.) and (24/489.ccls. or (f16b002/00 or f16b002/16).ipc.)	JPO	OR	ON	2005/02/21 22:57

L11	7	((g01m019/00 or g01b007/30 or g01i005/00 or b23q015/22 or b23q017/22 or h01i021/60 or h01i021/66 or h01i021/68).ipc. or (73/865.9 or 73/862.541).ccls.) and (24/489.ccls. or (f16b002/00 or f16b002/16).ipc.)	DERWENT	OR	ON	2005/02/21 23:04
L12	1	((g01m019/00 or g01b007/30 or g01i005/00 or b23q015/22 or b23q017/22 or h01i021/60 or h01i021/66 or h01i021/68).ipc. or (73/865.9 or 73/862.541).ccls.) and (24/489.ccls. or (f16b002/00 or f16b002/16).ipc.)	USPAT	OR	ON	2005/02/21 23:06
L13	4	US-5163222-\$.DID. OR US-5285946-\$.DID. OR US-5388751-\$.DID. OR US-5704246-\$.DID.	USPAT	OR	ON	2005/02/21 23:08
L14	3	(de-19523229-\$ or ch-689188-\$ or ch-679878-\$).did.	DERWENT	OR	ON	2005/02/21 23:09

DERWENT-ACC-NO: 1999-000132

DERWENT-WEEK: 199901

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TITLE: Transport installation for
foil strips - has releasable
clamp device for securing
foil strip arranged in
transport plane and transport
slide to which clamp device
is fixed

INVENTOR: SCHMID, D; SCHNELLMANN, C ; VISCHER, D

PATENT-ASSIGNEE: ESEC SA[ESECN]

PRIORITY-DATA: 1998CH-0000762 (March 26, 1998)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE
LANGUAGE		MAIN-IPC
<u>CH 689188 A5</u>		November 30, 1998
N/A	011	B65H 005/10

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-
NO	APPL-DATE	
CH 689188A5	N/A	
1998CH-0000762	March 26, 1998	

INT-CL (IPC): B21D043/11, B23Q005/50 ,
B23Q007/04 , B65H005/10

ABSTRACTED-PUB-NO: CH 689188A

BASIC-ABSTRACT:

The stop device runs in the transport direction (x) for guiding the foil strip (1) against displacement in a cross direction (y) orthogonal to the transport direction (x). A guide rail (20) runs in an inclined direction (x') and is fitted on a structure (22) of the transport installation (10), and along with the transport slide (18) is movable.

The transport direction and the inclined direction enclose an acute angle (α). Between the foil strip and the structure of the transport installation a sprung device is provided, which holds the foil strip in the cross direction (y) in a sprung manner.

USE - For moving foil strips.

ADVANTAGE - The foil strips can be moved in a cross-ways direction with accurate positioning, but without being bent out of the transport plane.

CHOSEN-DRAWING: Dwg.1/8

DERWENT-CLASS: M21 P52 P56 Q36

CPI-CODES: M21-N01;

DERWENT-ACC-NO: 1997-053477

DERWENT-WEEK: 199706

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TITLE: Micro-gripper for micro-
assembly with substrate and
microstructure body - fixed
together with
piezo-translator on substrate
such that length alteration
of translator caused by
applying electric voltage deforms
bending joints

INVENTOR: SALIM, R

PATENT-ASSIGNEE: SALIM R[SALII]

PRIORITY-DATA: 1995DE-1023229 (June 27, 1995)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE
LANGUAGE		MAIN-IPC
<u>DE 19523229 A1</u>		January 2, 1997
N/A	006	B25J 015/08

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
	APPL-DATE	
DE 19523229A1	N/A	
1995DE-1023229	June 27, 1995	

INT-CL (IPC): B25J015/08, G12B001/00

ABSTRACTED-PUB-NO: DE 19523229A

BASIC-ABSTRACT:

The transfer points receiving the force following a voltage application are designed as bending joints (6,7,8,9), which are elastically deformed as a result. The force or the movement is so transferred with a translation ratio at the driven elements i.e. the gripper arms (2,3), that these move away from each other or move together.

The gripping jaws of the micro-gripper are provided with V shaped elements.

The gripping jaws are equipped with sensor components. The gripping surfaces are coated with piezoelectrical material, by means of which the gripping force can be converted in to electrical signals. The gripping arms are provided with electric conducting paths.

USE/ADVANTAGE - Esp. for gripping, determining and handling micro-optic, micro-electronic, micro-mechanisms and similar. Enables further miniaturisation while avoiding limitations of previous grippers.

CHOSEN-DRAWING: Dwg.1/3

DERWENT-CLASS: P62 S01 U12 V06

EPI-CODES: S01-J; U12-B03F; V06-M06D; V06-M06G;